

HUNT

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TECH CENTER 1600/2600

P#4

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/602,812A

DATE: 10/25/2000
TIME: 17:29:51

Input Set : A:\P1467R2.txt
Output Set: N:\CRF3\10252000\I602812A.raw

3 <110> APPLICANT: Adams, Camellia W.
4 Presta, Leonard G.
5 Sliwkowski, Mark X.
7 <120> TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with
8 Anti-ErbB2 Antibodies
10 <130> FILE REFERENCE: P1467R2
12 <140> CURRENT APPLICATION NUMBER: US/09/602,812A
12 <141> CURRENT FILING DATE: 2000-06-23
14 <150> PRIOR APPLICATION NUMBER: US 60/141,316
15 <151> PRIOR FILING DATE: 1999-06-25
17 <160> NUMBER OF SEQ ID NOS: 13
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 107
21 <212> TYPE: PRT
22 <213> ORGANISM: Mus Musculus
24 <400> SEQUENCE: 1
25 Asp Thr Val Met Thr Gln Ser His Lys Ile Met Ser Thr Ser Val
26 1 5 10 15
28 Gly Asp Arg Val Ser Ile Thr Cys Lys Ala Ser Gln Asp Val Ser
29 20 25 30
31 Ile Gly Val Ala Trp Tyr Gln Gln Arg Pro Gly Gln Ser Pro Lys
32 35 40 45
34 Leu Leu Ile Tyr Ser Ala Ser Tyr Arg Tyr Thr Gly Val Pro Asp
35 50 55 60
37 Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile
38 65 70 75
40 Ser Ser Val Gln Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Gln
41 80 85 90
43 Tyr Tyr Ile Tyr Pro Tyr Thr Phe Gly Gly Gly Thr Lys Leu Glu
44 95 100 105
46 Ile Lys
49 <210> SEQ ID NO: 2
50 <211> LENGTH: 119
51 <212> TYPE: PRT
52 <213> ORGANISM: Mus musculus
54 <400> SEQUENCE: 2
55 Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly
56 1 5 10 15
58 Thr Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Phe Thr Phe Thr
59 20 25 30
61 Asp Tyr Thr Met Asp Trp Val Lys Gln Ser His Gly Lys Ser Leu
62 35 40 45
64 Glu Trp Ile Gly Asp Val Asn Pro Asn Ser Gly Gly Ser Ile Tyr
65 50 55 60
67 Asn Gln Arg Phe Lys Gly Lys Ala Ser Leu Thr Val Asp Arg Ser
68 65 70 75
70 Ser Arg Ile Val Tyr Met Glu Leu Arg Ser Leu Thr Phe Glu Asp

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71 80 85 90
 73 Thr Ala Val Tyr Tyr Cys Ala Arg Asn Leu Gly Pro Ser Phe Tyr
 74 95 100 105
 76 Phe Asp Tyr Trp Gly Gln Gly Thr Thr Leu Thr Val Ser Ser
 77 110 115
 79 <210> SEQ ID NO: 3
 80 <211> LENGTH: 107
 81 <212> TYPE: PRT
 82 <213> ORGANISM: Artificial sequence
 84 <220> FEATURE:
 85 <223> OTHER INFORMATION: humanized VL sequence
 87 <400> SEQUENCE: 3
 88 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val
 89 1 5 10 15
 91 Gly Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Asp Val Ser
 92 20 25 30
 94 Ile Gly Val Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys
 95 35 40 45
 97 Leu Leu Ile Tyr Ser Ala Ser Tyr Arg Tyr Thr Gly Val Pro Ser
 98 50 55 60
 100 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
 101 65 70 75
 103 Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln
 104 80 85 90
 106 Tyr Tyr Ile Tyr Pro Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu
 107 95 100 105
 109 Ile Lys
 112 <210> SEQ ID NO: 4
 113 <211> LENGTH: 119
 114 <212> TYPE: PRT
 115 <213> ORGANISM: Artificial sequence
 117 <220> FEATURE:
 118 <223> OTHER INFORMATION: Humanized VH sequence
 120 <400> SEQUENCE: 4
 121 Glu Val Gln Leu Val Glu Ser Gly Gly Leu Val Gln Pro Gly
 122 1 5 10 15
 124 Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Thr
 125 20 25 30
 127 Asp Tyr Thr Met Asp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
 128 35 40 45
 130 Glu Trp Val Ala Asp Val Asn Pro Asn Ser Gly Gly Ser Ile Tyr
 131 50 55 60
 133 Asn Gln Arg Phe Lys Gly Arg Phe Thr Leu Ser Val Asp Arg Ser
 134 65 70 75
 136 Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
 137 80 85 90
 139 Thr Ala Val Tyr Tyr Cys Ala Arg Asn Leu Gly Pro Ser Phe Tyr
 140 95 100 105
 142 Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/602,812A

DATE: 10/25/2000
TIME: 17:29:51

Input Set : A:\P1467R2.txt
Output Set: N:\CRF3\10252000\I602812A.raw

143 110 115
145 <210> SEQ ID NO: 5
146 <211> LENGTH: 107
147 <212> TYPE: PRT
148 <213> ORGANISM: Artificial sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: light chain consensus sequence
153 <400> SEQUENCE: 5
154 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val
155 1 5 10 15
157 Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser
158 20 25 30
160 Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys
161 35 40 45
163 Leu Leu Ile Tyr Ala Ala Ser Ser Leu Glu Ser Gly Val Pro Ser
164 50 55 60
166 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
167 65 70 75
169 Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln
170 80 85 90
172 Tyr Asn Ser Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val Glu
173 95 100 105
175 Ile Lys
178 <210> SEQ ID NO: 6
179 <211> LENGTH: 119
180 <212> TYPE: PRT
181 <213> ORGANISM: Artificial sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: heavy chain consensus sequence
186 <400> SEQUENCE: 6
187 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
188 1 5 10 15
190 Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
191 20 25 30
193 Ser Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
194 35 40 45
196 Glu Trp Val Ala Val Ile Ser Gly Asp Gly Gly Ser Thr Tyr Tyr
197 50 55 60
199 Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser
200 65 70 75
202 Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
203 80 85 90
205 Thr Ala Val Tyr Tyr Cys Ala Arg Gly Arg Val Gly Tyr Ser Leu
206 95 100 105
208 Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
209 110 115
211 <210> SEQ ID NO: 7
212 <211> LENGTH: 10
213 <212> TYPE: PRT

RAW SEQUENCE LISTING
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DATE: 10/25/2000
TIME: 17:29:51

Input Set : A:\P1467R2.txt
Output Set: N:\CRF3\10252000\I602812A.raw

214 <213> ORGANISM: Mus musculus
216 <220> FEATURE:
217 <221> NAME/KEY: unsure
218 <222> LOCATION: 10
219 <223> OTHER INFORMATION: unknown amino acid
221 <400> SEQUENCE: 7
W--> 222 Gly Phe Thr Phe Thr Asp Tyr Thr Met xaa
223 1 5 10
225 <210> SEQ ID NO: 8
226 <211> LENGTH: 17
227 <212> TYPE: PRT
228 <213> ORGANISM: Mus musculus
230 <400> SEQUENCE: 8
231 Asp Val Asn Pro Asn Ser Gly Gly Ser Ile Tyr Asn Gln Arg Phe
232 1 5 10 15
234 Lys Gly
237 <210> SEQ ID NO: 9
238 <211> LENGTH: 10
239 <212> TYPE: PRT
240 <213> ORGANISM: Mus musculus
242 <400> SEQUENCE: 9
243 Asn Leu Gly Pro Ser Phe Tyr Phe Asp Tyr
244 1 5 10
246 <210> SEQ ID NO: 10
247 <211> LENGTH: 11
248 <212> TYPE: PRT
249 <213> ORGANISM: Mus musculus
251 <400> SEQUENCE: 10
252 Lys Ala Ser Gln Asp Val Ser Ile Gly Val Ala
253 1 5 10
255 <210> SEQ ID NO: 11
256 <211> LENGTH: 7
257 <212> TYPE: PRT
258 <213> ORGANISM: Mus musculus
260 <220> FEATURE:
261 <221> NAME/KEY: unsure
262 <222> LOCATION: 5-7
263 <223> OTHER INFORMATION: unknown amino acid
265 <400> SEQUENCE: 11
W--> 266 Ser Ala Ser Tyr xaa xaa xaa
267 1 5
269 <210> SEQ ID NO: 12
270 <211> LENGTH: 9
271 <212> TYPE: PRT
272 <213> ORGANISM: Mus musculus
274 <400> SEQUENCE: 12
275 Gln Gln Tyr Tyr Ile Tyr Pro Tyr Thr
276 1 5
278 <210> SEQ ID NO: 13

VERIFICATION SUMMARY DATE: 10/25/2000
PATENT APPLICATION: US/09/602,812A TIME: 17:29:52

Input Set : A:\P1467R2.txt
Output Set: N:\CRF3\10252000\I602812A.raw

L:12 M:282 W: Numeric Field Identifier Missing, <140> CURRENT APPLICATION NUMBER: is Added.
L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11



Creation date: 05-08-2004

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Team: OIPEBackFileIndexing

Dossier: 09602812

Legal Date: 01-29-2001

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| 2 | NPL | 1 |

Total number of pages: 2

Remarks:

Order of re-scan issued on